

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009219.D
 Acq On : 29 Apr 2019 19:52
 Operator : JC/SP
 Sample : K2594-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW351-190425

Quant Time: Apr 30 07:19:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	210199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124505	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	138764	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
35) Dibromofluoromethane	5.50	113	102964	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	421247	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.13	95	139950	44.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.48%	

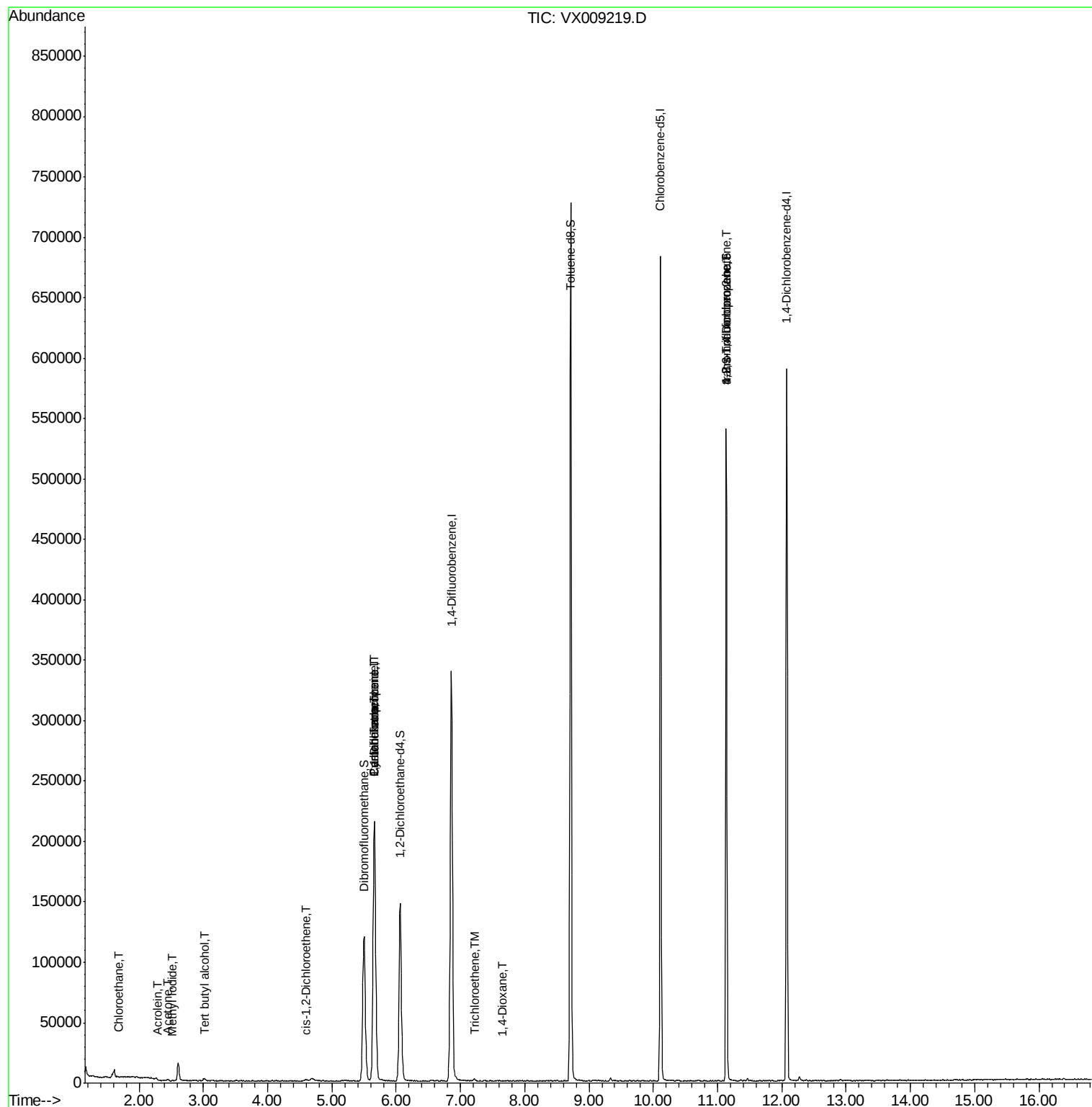
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	347	0.210	ug/l #	43
10) Methyl Iodide	2.52	142	78	4.625	ug/l #	42
11) Tert butyl alcohol	3.03	59	1460	2.198	ug/l #	76
13) Acrolein	2.29	56	236	0.392	ug/l	100
16) Acetone	2.44	43	1586	1.029	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	583	0.228	ug/l #	1
28) Bromochloromethane	5.01	49	58	Below Cal	#	20
31) Cyclohexane	5.66	56	4507	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16145	5.122	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19952	6.967	ug/l #	16
44) Trichloroethene	7.21	130	622	0.264	ug/l	90
49) 1,4-Dioxane	7.65	88	43	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70451	24.394	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	70451	62.415	ug/l #	10

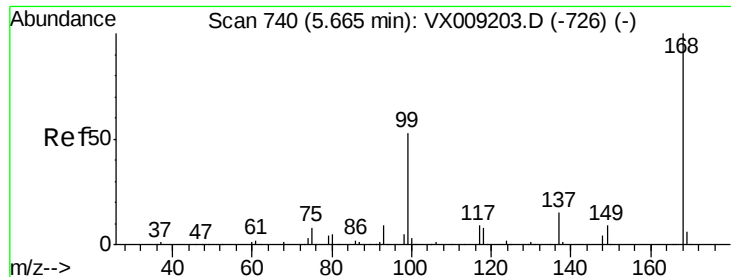
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

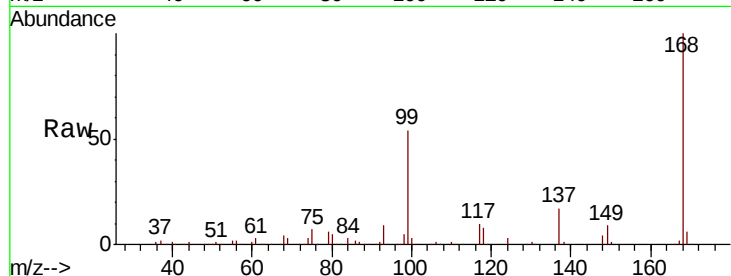
WP021MW351-190425

Tgt Ion:168 Resp: 210199

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

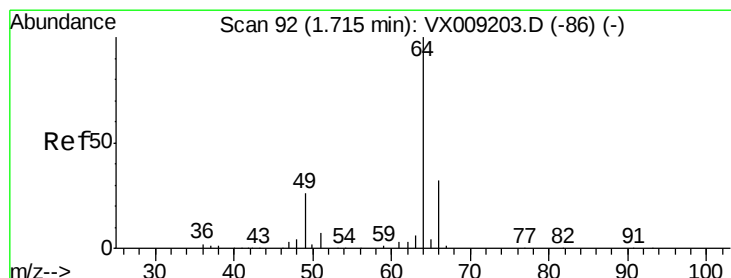
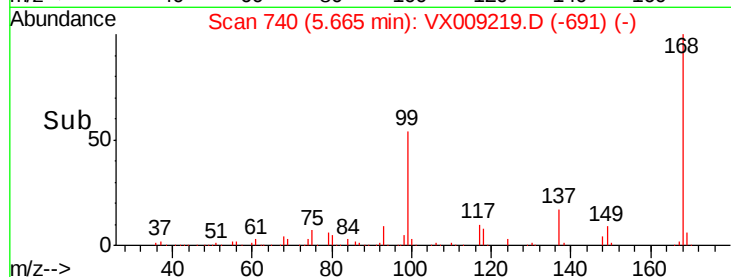
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009219.D

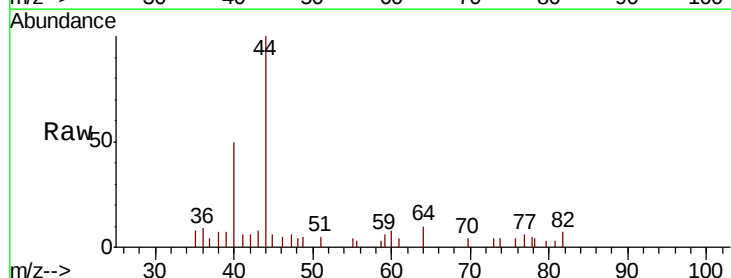
Acq: 29 Apr 2019 19:52

Tgt Ion: 64 Resp: 347

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

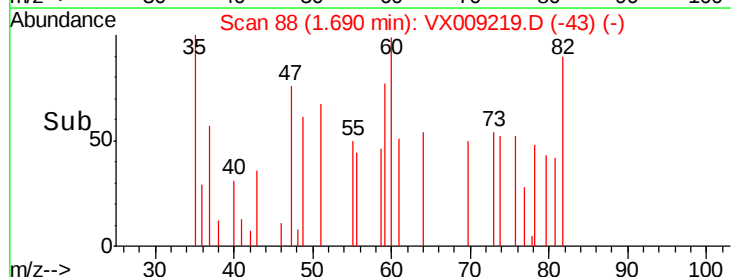
300

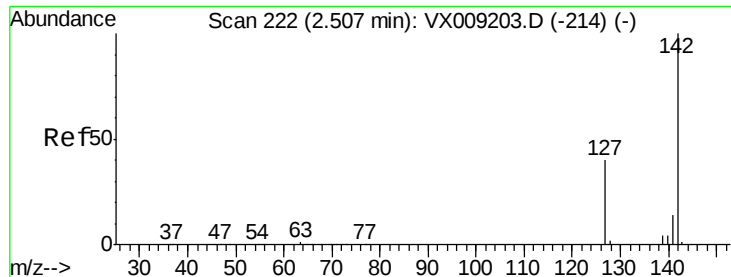
200

100

0

Time--> 1.64 1.66 1.68 1.70 1.72

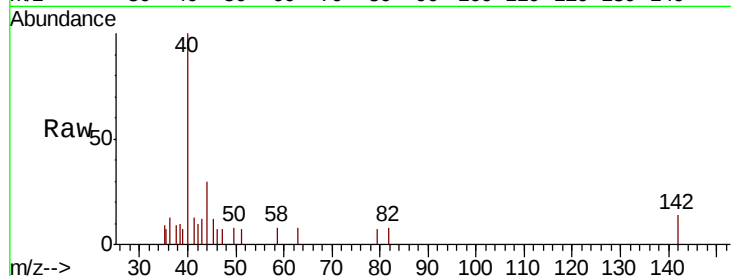




#10
Methyl Iodide
Concen: 4.625 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

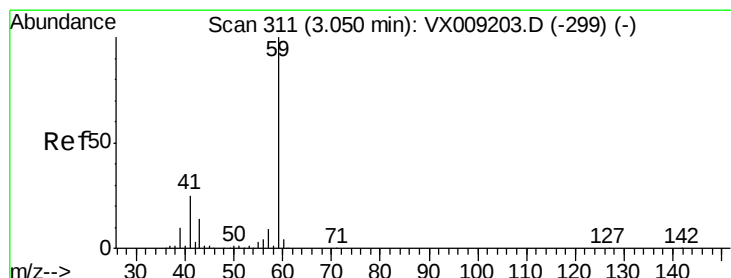
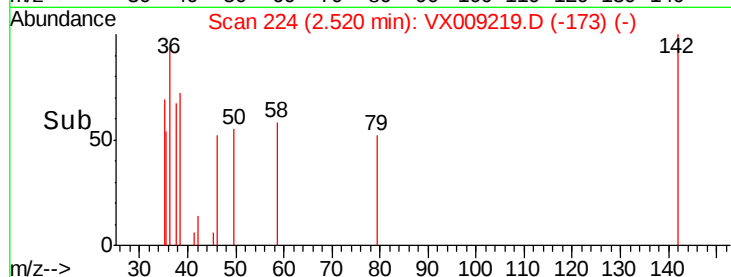
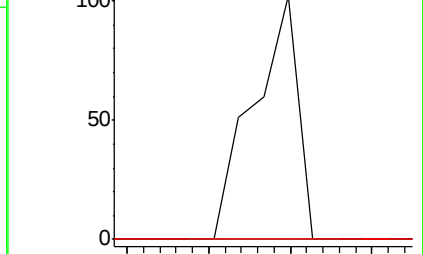
Instrument :
MSVOA_X
ClientSampleId :
WP021MW351-190425

Tgt Ion: 142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



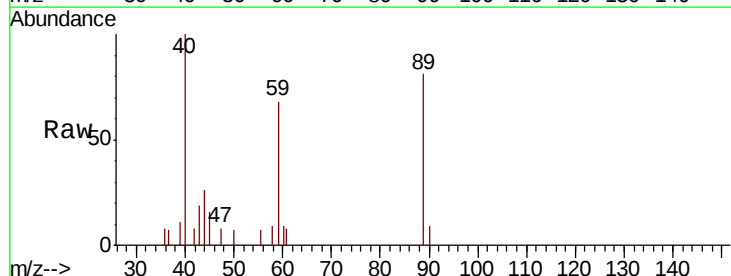
Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

2.52



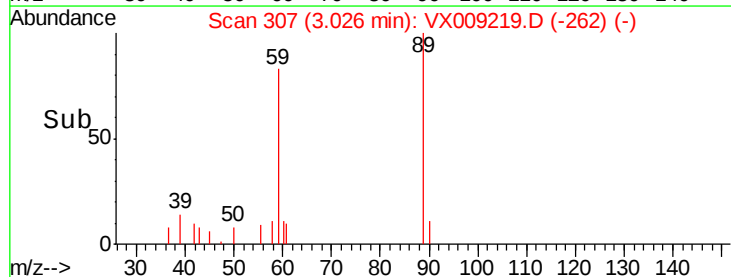
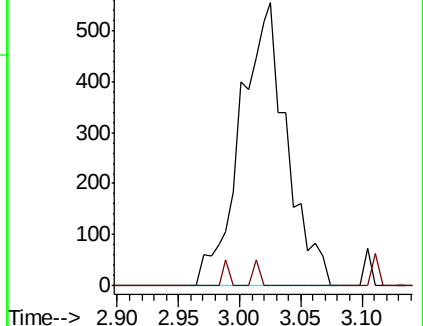
#11
Tert butyl alcohol
Concen: 2.198 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

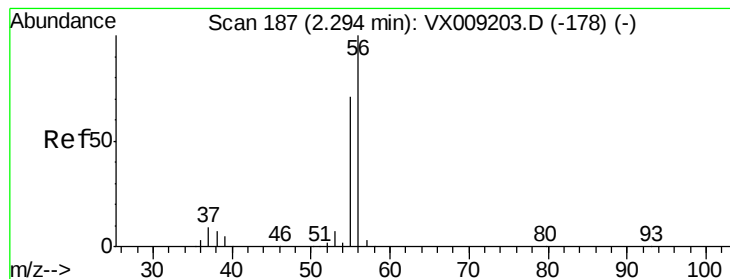
Tgt Ion: 59 Resp: 1460
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

3.03





#13

Acrolein

Concen: 0.392 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

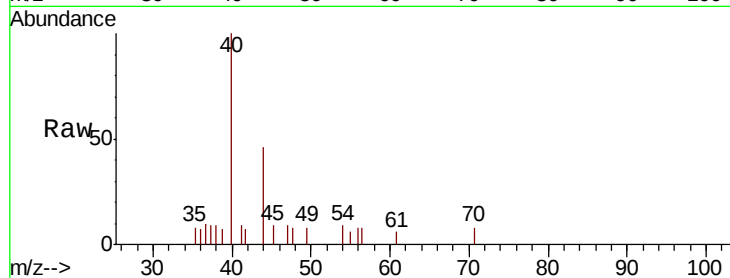
WP021MW351-190425

Tgt Ion: 56 Resp: 236

Ion Ratio Lower Upper

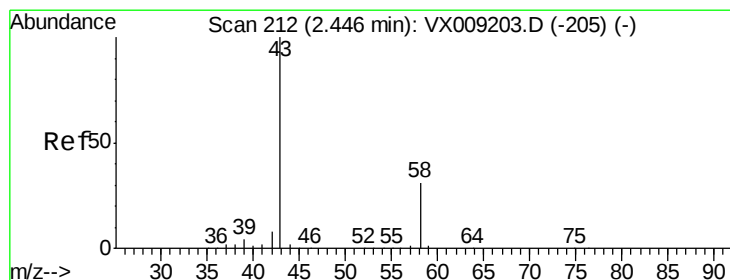
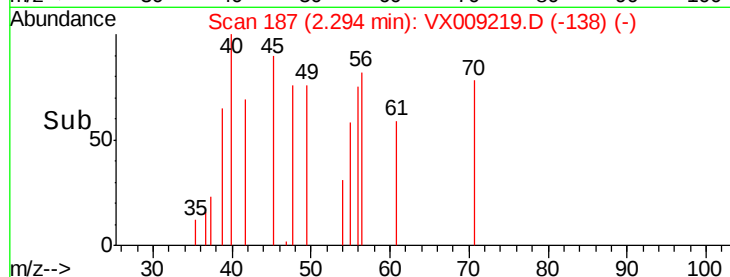
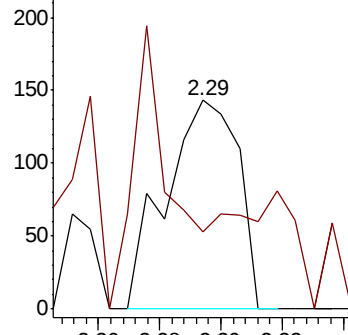
56 100

55 71.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.029 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009219.D

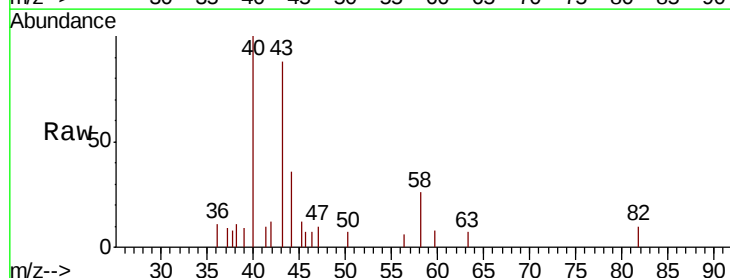
Acq: 29 Apr 2019 19:52

Tgt Ion: 43 Resp: 1586

Ion Ratio Lower Upper

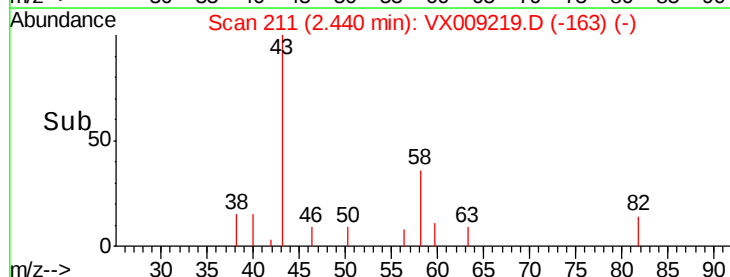
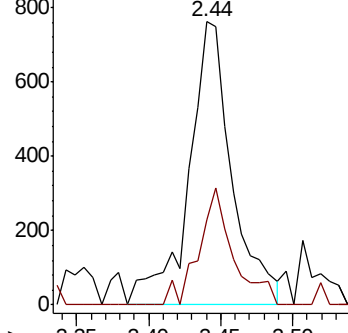
43 100

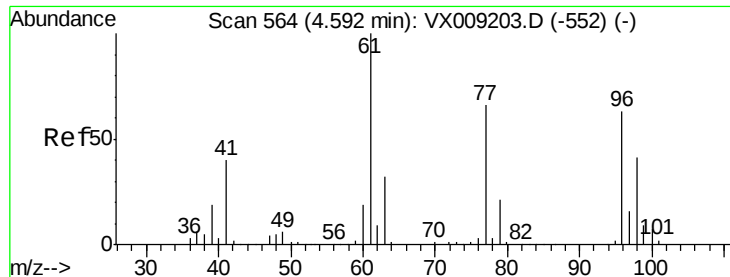
58 30.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



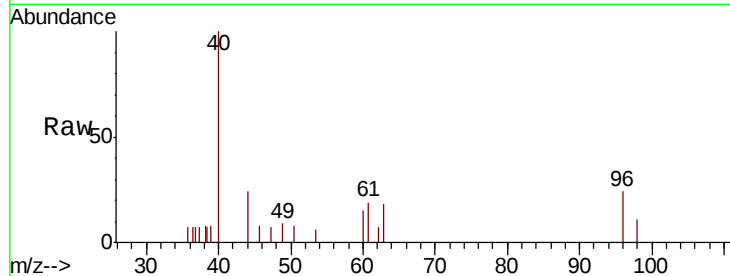


#27

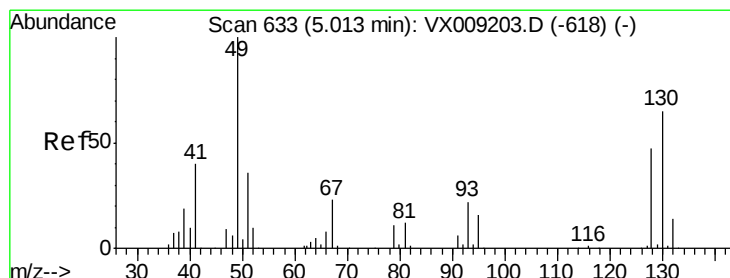
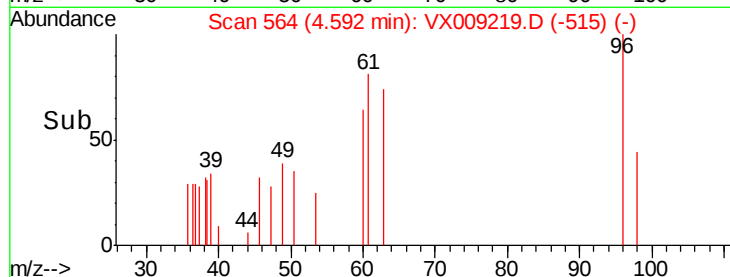
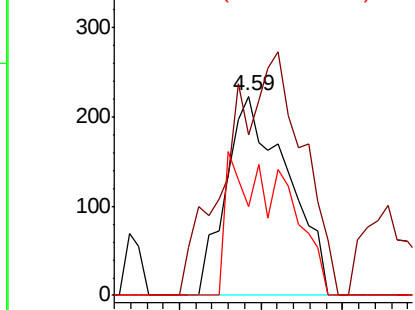
cis-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
WP021MW351-190425

Tgt Ion: 96 Resp: 583
Ion Ratio Lower Upper
96 100
61 0.0 0.0 324.0
98 24.4 0.0 130.4



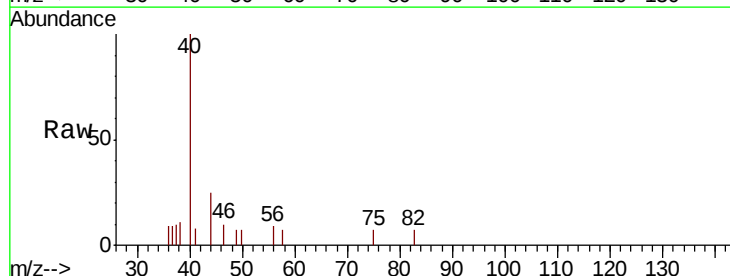
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



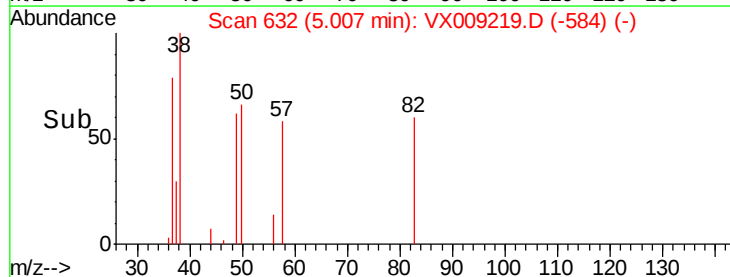
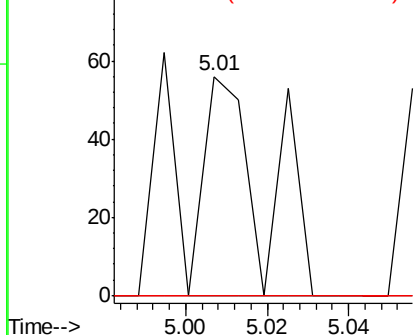
#28

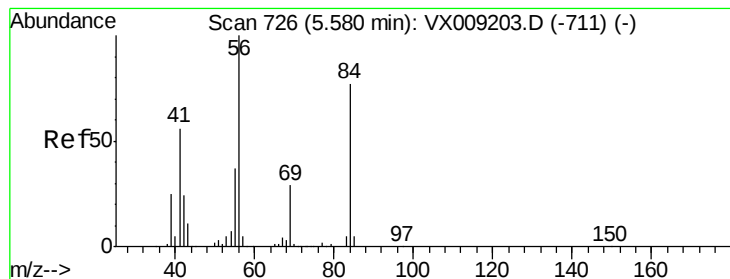
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

Tgt Ion: 49 Resp: 58
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.062 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

WP021MW351-190425

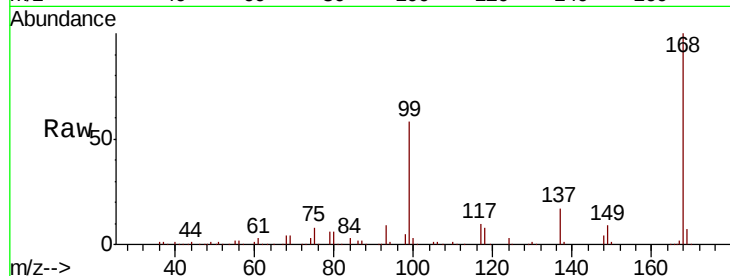
Tgt Ion: 56 Resp: 4507

Ion Ratio Lower Upper

56 100

69 175.1 23.4 35.0#

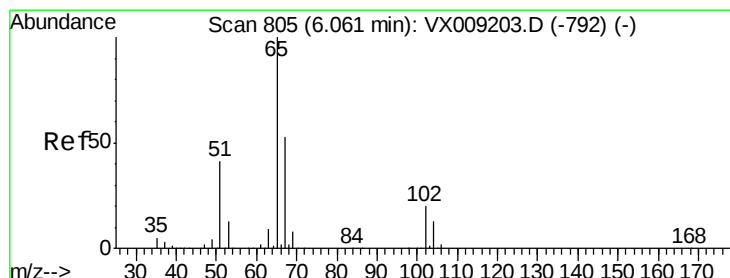
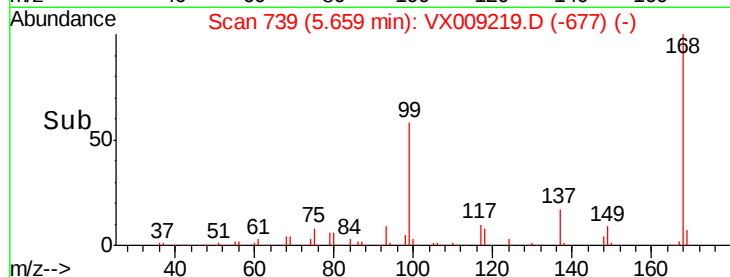
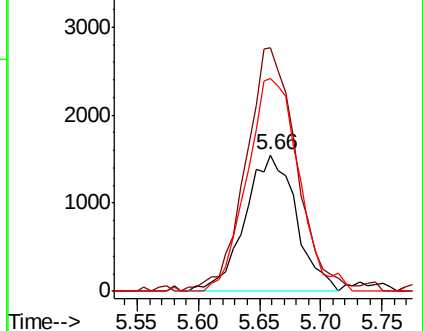
84 155.7 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.359 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009219.D

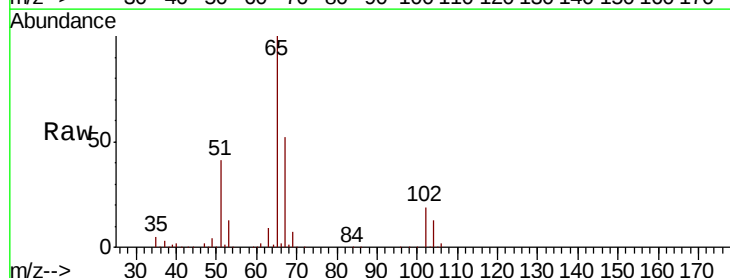
Acq: 29 Apr 2019 19:52

Tgt Ion: 65 Resp: 138764

Ion Ratio Lower Upper

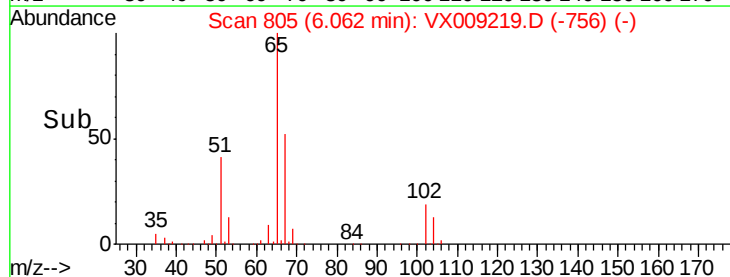
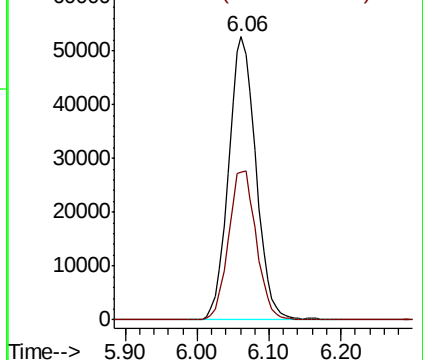
65 100

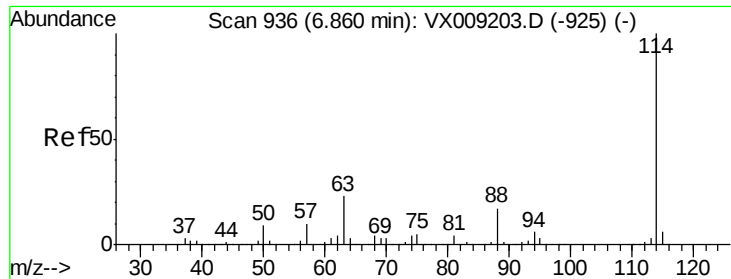
67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

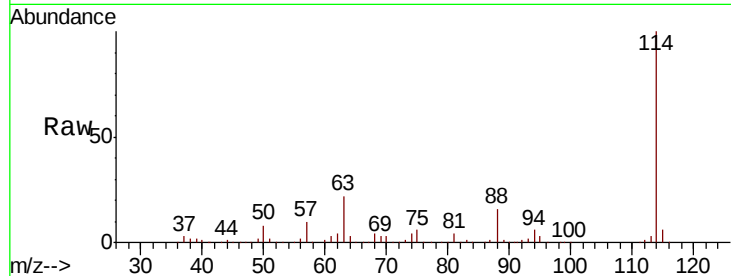




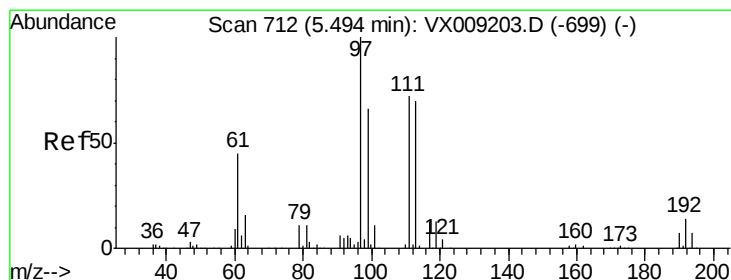
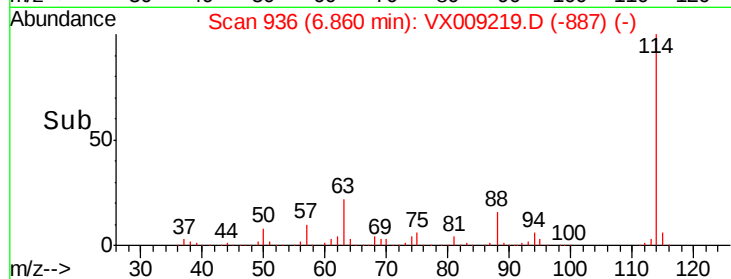
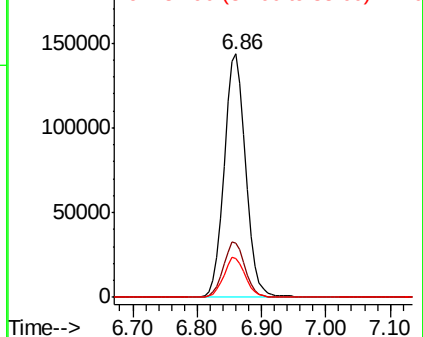
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009219.D
 Acq: 29 Apr 2019 19:52

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Tgt Ion:114 Resp: 339172
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.6
 88 16.0 0.0 33.2

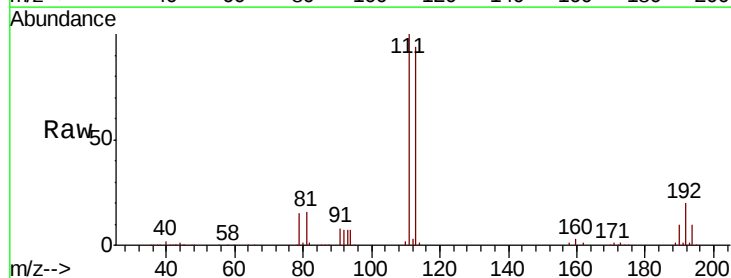


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

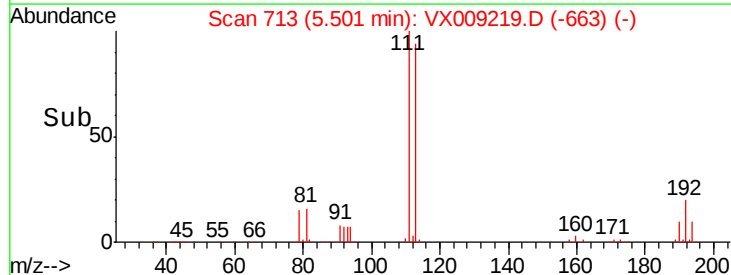
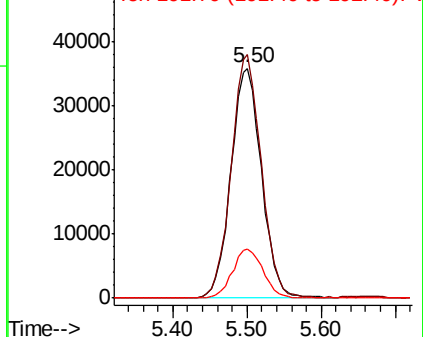


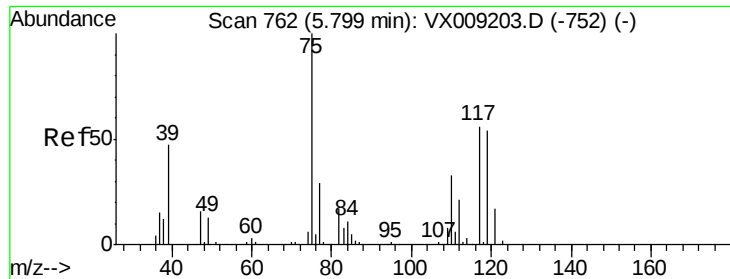
#35
 Dibromofluoromethane
 Concen: 48.291 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009219.D
 Acq: 29 Apr 2019 19:52

Tgt Ion:113 Resp: 102964
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.8 124.2
 192 21.4 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.122 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

WP021MW351-190425

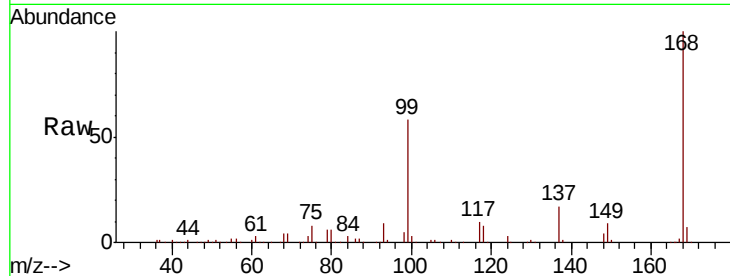
Tgt Ion: 75 Resp: 16145

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

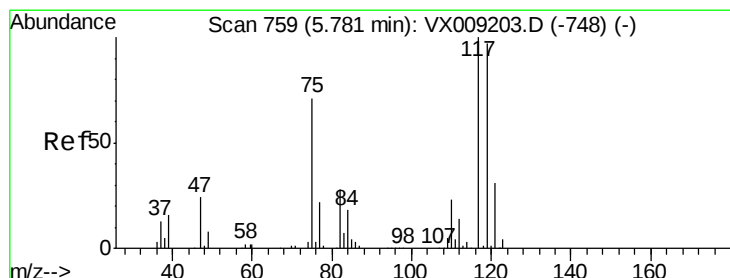
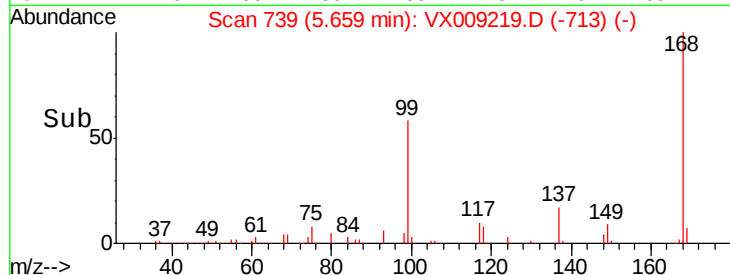
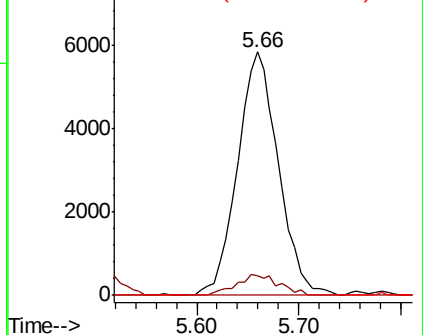
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.967 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

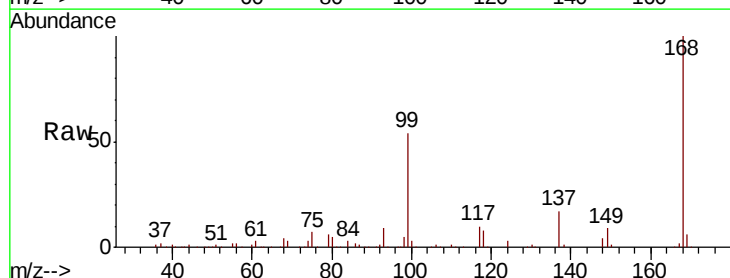
Tgt Ion: 117 Resp: 19952

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

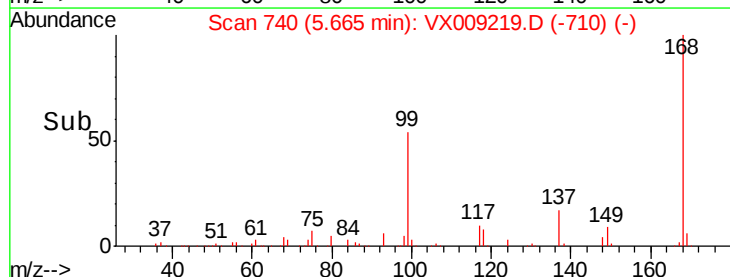
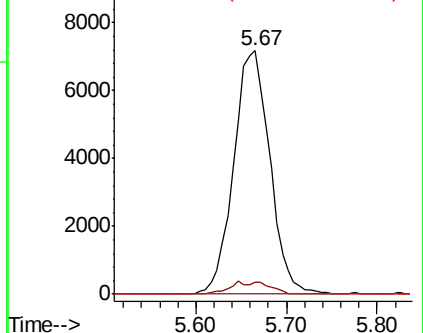
121 0.0 24.7 37.1#

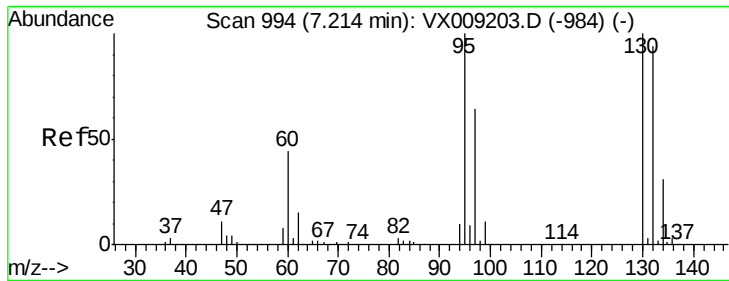


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.264 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

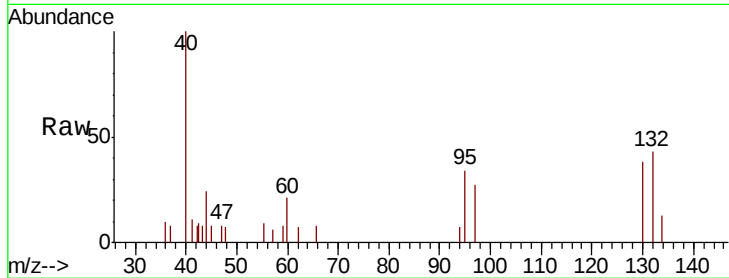
WP021MW351-190425

Tgt Ion:130 Resp: 622

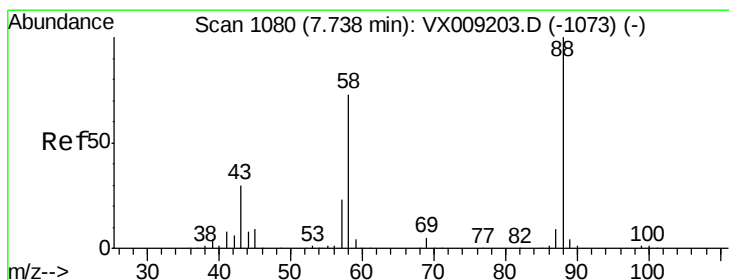
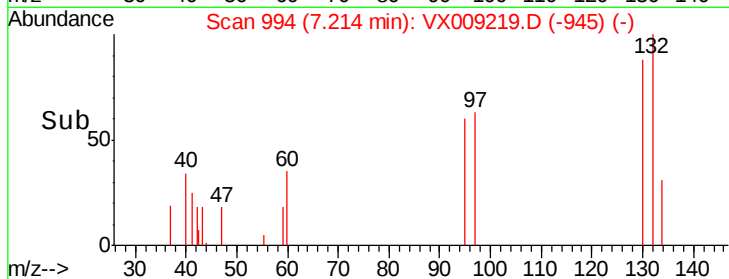
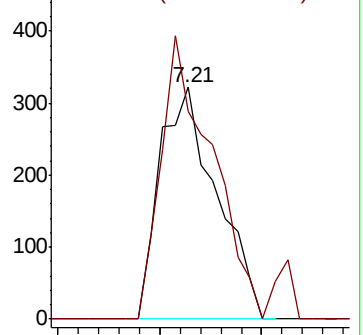
Ion Ratio Lower Upper

130 100

95 89.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.608 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.09 min

Lab File: VX009219.D

Acq: 29 Apr 2019 19:52

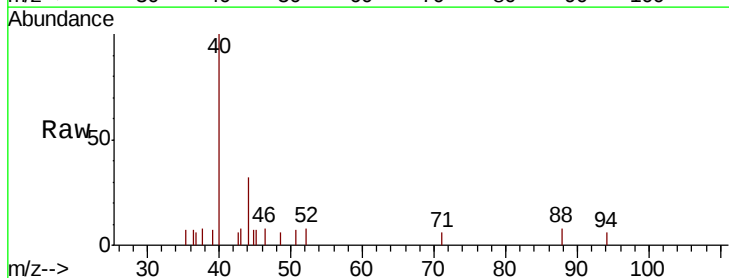
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 195.3 28.6 42.8#

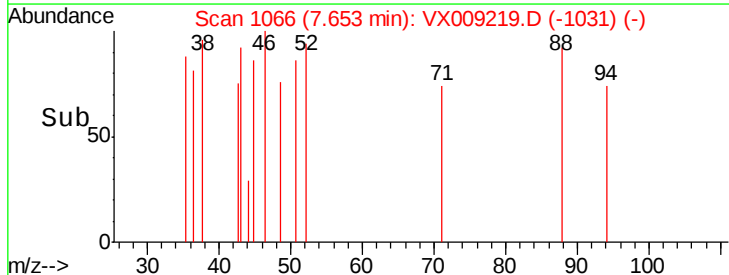
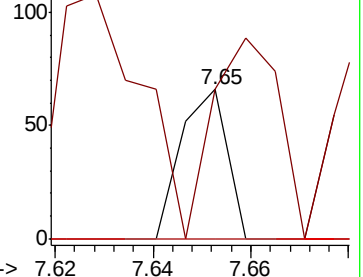
58 0.0 61.7 92.5#

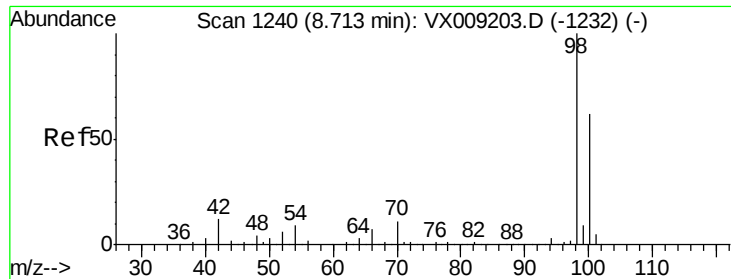


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

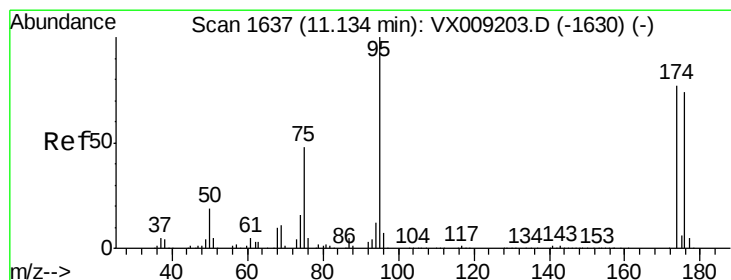
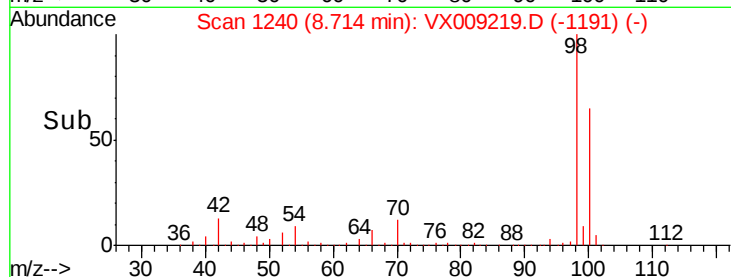
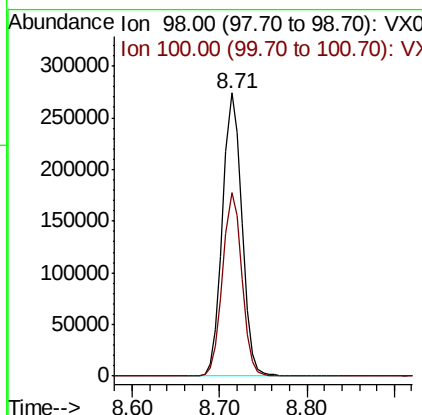
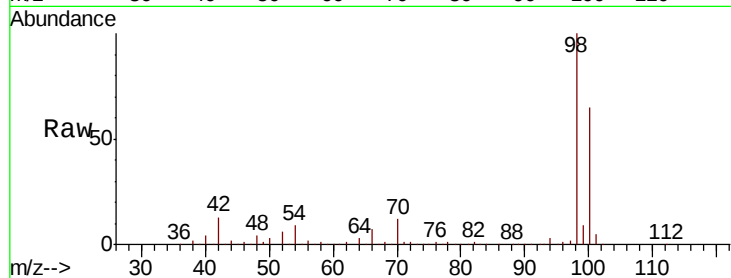




#50
Toluene-d8
Concen: 48.936 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

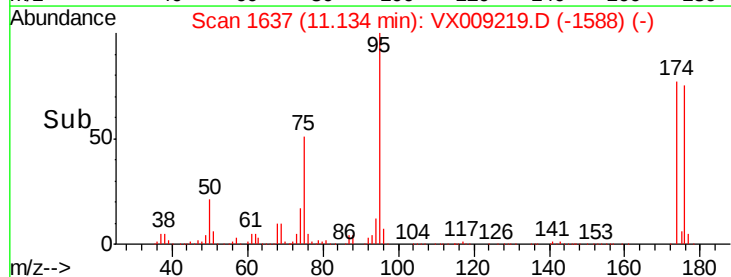
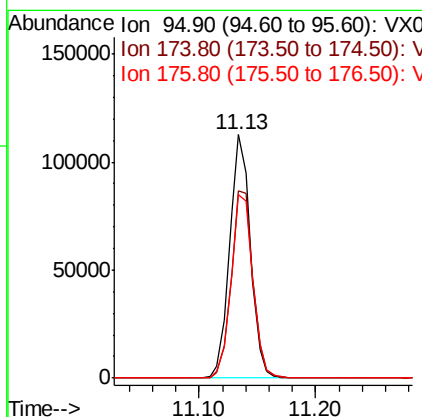
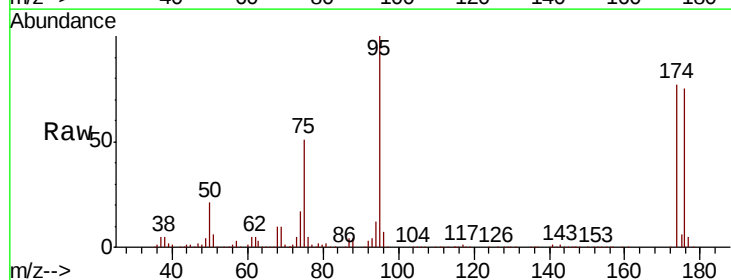
Instrument :
MSVOA_X
ClientSampleId :
WP021MW351-190425

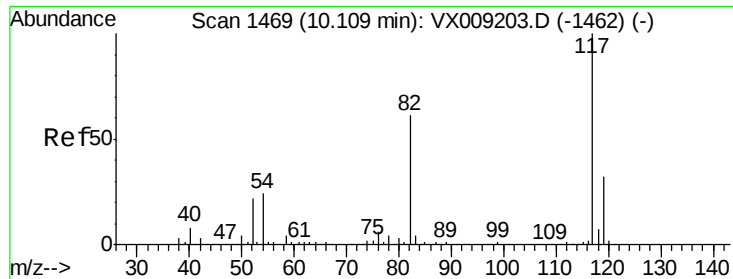
Tgt Ion: 98 Resp: 421247
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.743 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

Tgt Ion: 95 Resp: 139950
Ion Ratio Lower Upper
95 100
174 80.7 0.0 161.6
176 78.7 0.0 159.2

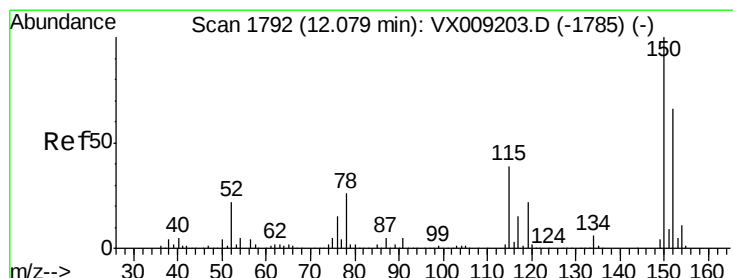
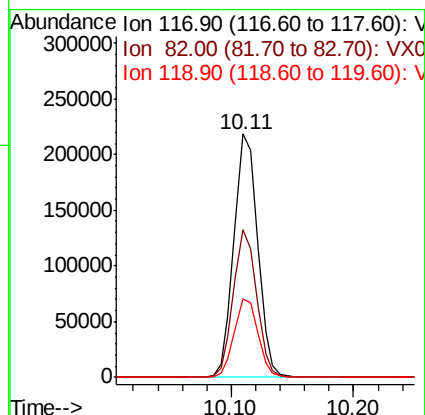
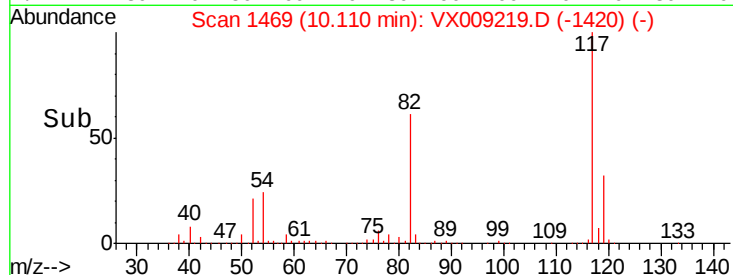
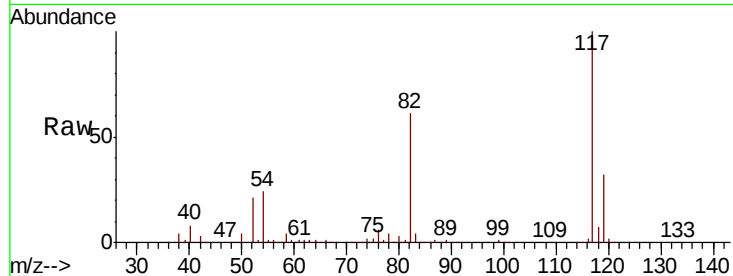




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

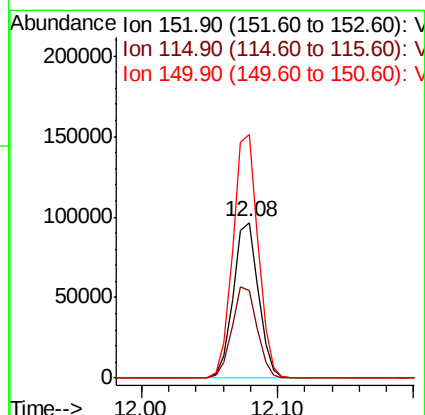
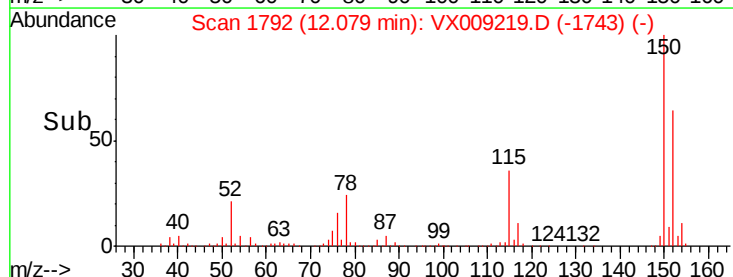
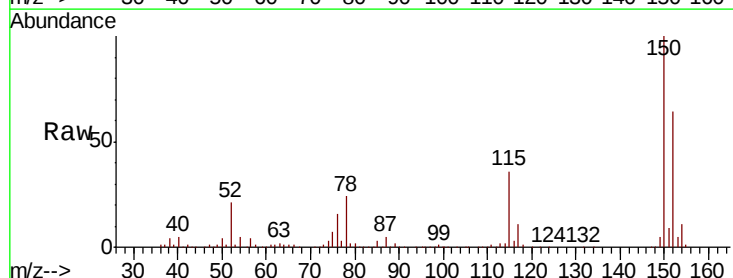
Instrument :
MSVOA_X
ClientSampleId :
WP021MW351-190425

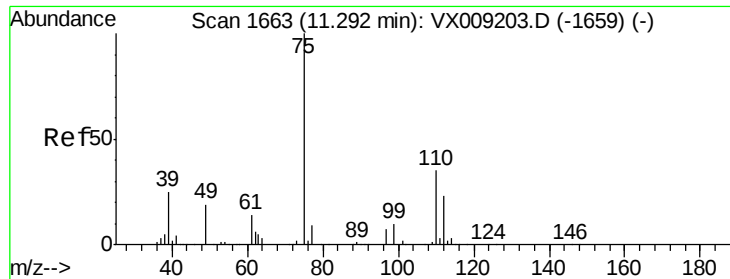
Tgt Ion:117 Resp: 293805
Ion Ratio Lower Upper
117 100
82 60.8 48.8 73.2
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009219.D
Acq: 29 Apr 2019 19:52

Tgt Ion:152 Resp: 124505
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 156.7 0.0 346.4

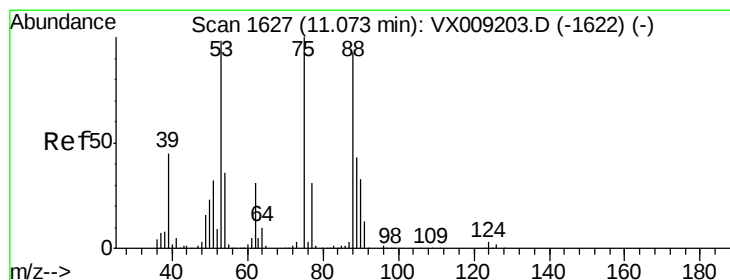
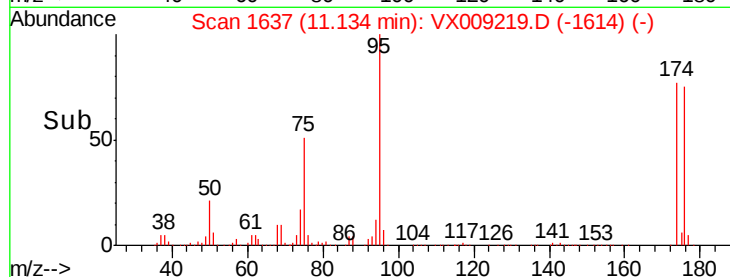
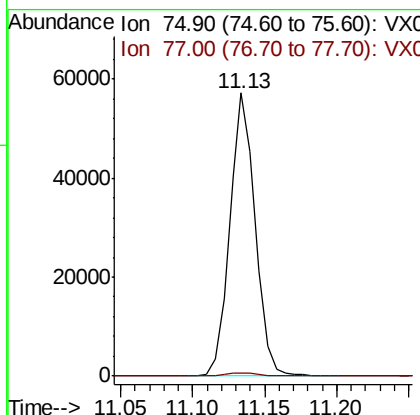
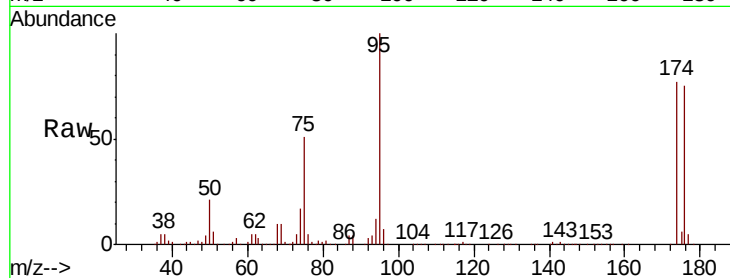




#76
 1,2,3-Trichloropropane
 Concen: 24.394 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009219.D
 Acq: 29 Apr 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW351-190425

Tgt Ion: 75 Resp: 70451
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.415 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009219.D
 Acq: 29 Apr 2019 19:52

Tgt Ion: 75 Resp: 70451
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

